



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Raymond F. Cracauer  
Serial No.: 10/054,023  
Filed: 11/13/2001  
Entitled: Nucleic Acid Synthesizers

Group No.: 1743  
Examiner: D. K. Handy

**AMENDMENT AND RESPONSE TO OFFICE ACTION  
MAILED JULY 14, 2004**

Mail Stop Non Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)**

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Non-Fee Payment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 12/14/2004

By:

Mary Ellen Waite

Sir:

The following communication is filed in conjunction with a Request for Continued Examination (RCE), and is responsive to the Office Action mailed July 14, 2004. A petition for two months extension of time, from October 14, 2004 to December 14, 2004, is included herewith.

In accordance with the procedure for Revised Amendment Practice under 37 C.F.R. 1.121, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.